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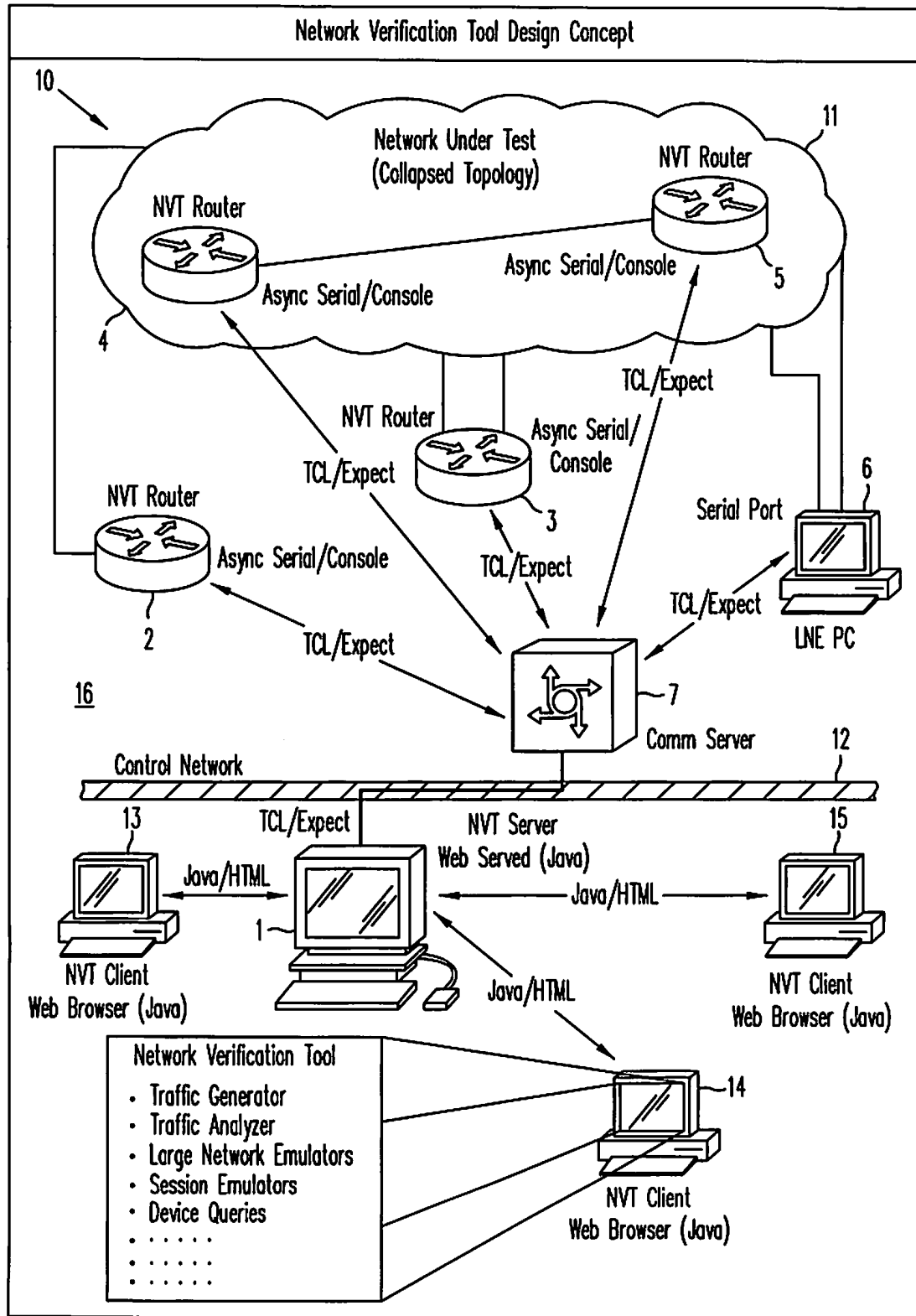


FIG. 1

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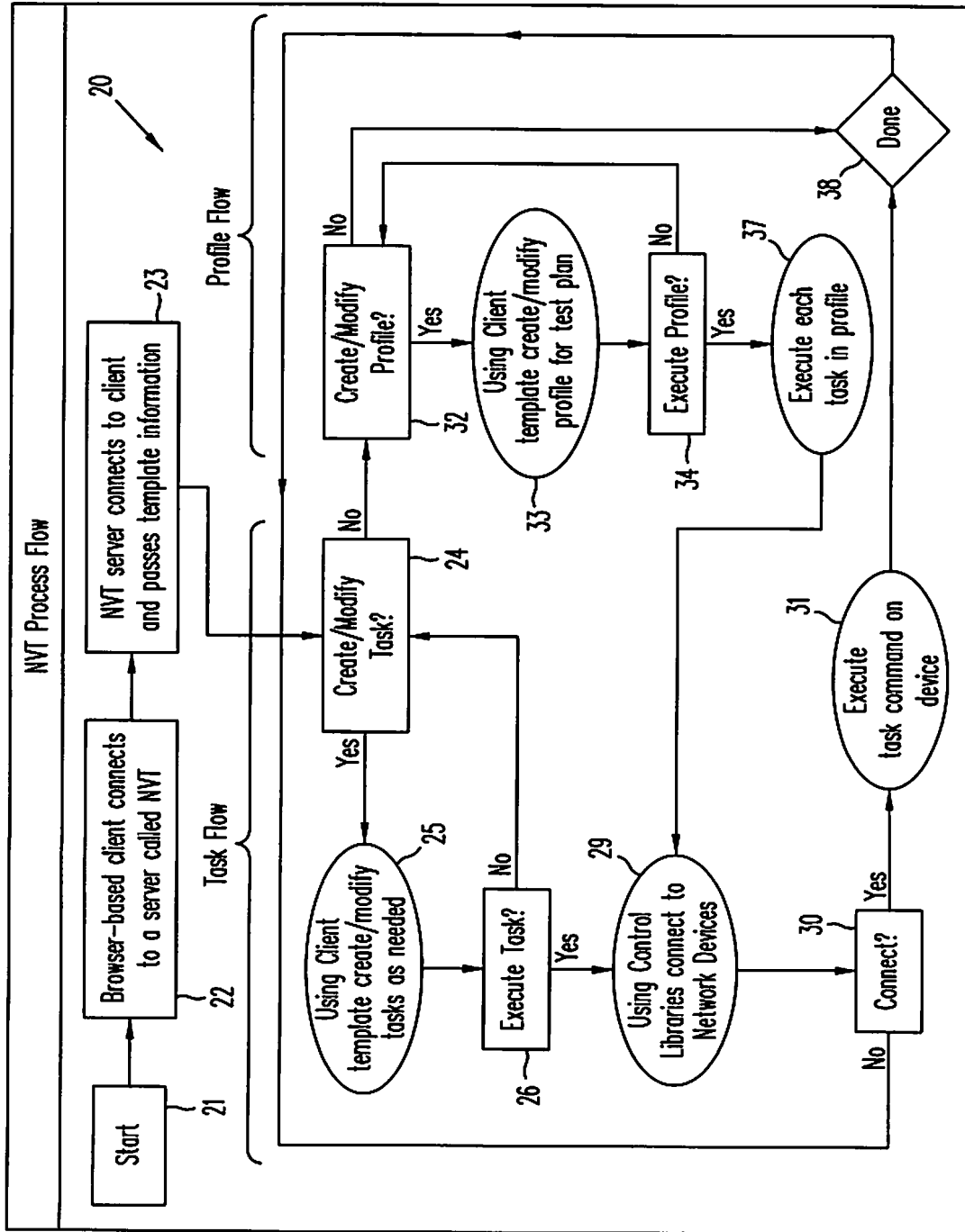


FIG. 2

50

Task Settings

Task Name

Test No. 1

57

Task Description

Example of Traffic Generator Task

58

Device and Interface

R3-Port0: Ethernet 0

59

51

Traffic Generator

Traffic Stream Type

Protocol

IP

60Media-Encap

Ethernet-ARPA

61

52

Traffic Stream Settings

☒ Traffic Stream Status63

Rate (pps)

100

64

Length (bytes)

400

65to

1000

by

0

☐ Burst Donation

Low Range ON

600

High Range ON

1200

Low Range OFF

500

High Range OFF

600

68

53

Ethernet-ARPA header

Destination

0000.0003.023A

Constant

to

by

0000.0000.0000

Source

0000.2F60.2854

Constant

to

by

0000.0000.0000

Protocol

0800

Constant

to

by

0000

54

FIG. 3A

FIG. 3B

Key To

FIG. 3

FIG. 3A

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IP header

Version	4	Constant ▾	to	0	by	0
Hdr-Length	auto	Constant ▾	to	0	by	0
TOS	0x00	Constant ▾	to	00	by	00
Length	auto	Constant ▾	to	0	by	0
ID	0xABCD	Constant ▾	to	0000	by	0000
Fragmentation	0x0000	Constant ▾	to	0000	by	0000
TTL	60	Constant ▾	to	0	by	0
Protocol	0	Constant ▾	to	0	by	0
Checksum	auto	Constant ▾	to	0000	by	0000
Source	171.120.22.50	Constant ▾	to	0.0.0.0	by	0.0.0.0
Destination	170.123.11.50	Constant ▾	to	0.0.0.0	by	0.0.0.0
Option Length		Constant ▾	to	0	by	0

Data

Length	0
Fill Pattern	0x00
Increment by	0x01

FIG. 3B

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FIG. 4

100

Traffic Analyzer

Task Settings

Task Name

Task Description

Device and Interface

101

102

R5-Pagent-e0: Ethernet 1

103

104

Capture Buffer Settings

Name

Size

Type

106

1000

Circular

107

108

105

Packet Filter Settings

Active

110

Mode

Direction

Protocol

111

112

113

Length

114

0

115

Limit

116

117

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200
Session Emulator

201
Task Settings

Task Name 209

Task Description 210

202
Traffic Settings

203
Traffic Stream Status

☐ Traffic Stream Status

204
Burst Duration

☐ Burst Duration

205
Send Mode Values

☐ Send Mode Values

Length (bytes) auto 211 to 0 by 0

Low Range ON 600 High Range ON 1200

Low Range OFF 300 High Range OFF 600

Interval 1000 215

Window Size 1 216

Send Mode Delay 213

Fill Pattern Default 214

Rate 1 217

Delay 25 218

206
Primary Station Settings

☐ Token Ring Explorer ~ 221

Device and Control Interface R5-Pagent-e0: Ethernet1 219

Test Interfaces 220

207
Secondary Station Settings

☐ Token Ring Explorer ~ 224

Device and Control Interface R5-Pagent-e0: Ethernet1 222

Test Interfaces 223

208
Detailed Error Log

☐ Data Errors ~ 225

☐ Missing Packet Errors ~ 226

☐ Out-of-Sequence Errors ~ 227

FIG. 5A

300
LLC2 Session Emulator

301
Task Settings

Task Name 303

Task Description 304

302
Traffic Settings

☐ Traffic Stream Status 305

Data Length 50 306

Inter-Packet Delay 10 307

308
Primary Station Settings

Device and Interface R5-Pagant-e0: Ethernet1 310

Dest Mac Address 0000.0000.0000 311

Dest SAP Value 00 312

Source SAP Value 00 313

309
Secondary Station Settings

Device and Interface R5-Pagant-e0: Ethernet1 314

Local SAP Value 00 315

FIG. 5B

320 →

SDLC Session Emulator

Task Settings

Task Name 303

Task Description 304

Traffic Settings

☐ Traffic Stream Status 305

Data Length 50 306

Inter-Packet Delay 10 307

Primary Station Settings

Device and Interface R5-Pagent-e0: Ethernet1 310

SDLC Address 00 318

Secondary Station Settings

Device and Interface R5-Pagent-e0: Ethernet1 314

SDLC Address 00 319

FIG. 5C

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Task Settings

Task Name

Task Description

Device

401

402

403

404

Traffic Settings

☐ Traffic Stream Status

☐ Flap Duration

Low Range ON

Low Range OFF

High Range ON

High Range OFF

405

406

407

408

1200

600

IP Addresses

Source

Destination

409

410

411

BGP Settings

Networks to Advertise

Local AS

Remote AS

Network Start Address

Network Subnet Mask

Low Path Length

High Path Length

412

413

414

415

416

417

418

419

FIG. 6A

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420 ↗

EIG. Large Network Emulator

Task Settings	
401	Task Name <input style="width: 150px;" type="text"/> 402 Task Description <input style="width: 150px;" type="text"/> 403 Device <input style="width: 100px;" type="text" value="PagentA-console"/> 404
Traffic Stream Settings	
<input type="checkbox"/> Traffic Stream Status 406 <input type="checkbox"/> Flap Duration 407 405	<div style="text-align: center;">408</div> <div style="display: flex; justify-content: space-between;"> <div> Low Range ON <input style="width: 50px;" type="text" value="600"/> Low Range OFF <input style="width: 50px;" type="text" value="300"/> </div> <div> High Range ON <input style="width: 50px;" type="text" value="1200"/> High Range OFF <input style="width: 50px;" type="text" value="600"/> </div> </div>
IP-EIGRP Settings	
421	Source <input style="width: 100px;" type="text" value="0.0.0.0"/> 423 Local AS <input style="width: 50px;" type="text" value="100"/> 424 Networks to Advertise <input style="width: 50px;" type="text" value="5"/> 425
EIGRP Network Settings	
422	Addresses Per TLV <input style="width: 50px;" type="text" value="5"/> 426 Network Start Address <input style="width: 100px;" type="text" value="0.0.0.0"/> 427 Network Subnet Mask <input style="width: 100px;" type="text" value="0.0.0.0"/> 428 <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> Low Hop Count <input style="width: 30px;" type="text" value="2"/> 429 Low Delay Per Hop <input style="width: 30px;" type="text" value="50"/> 430 Low Bandwidth <input style="width: 30px;" type="text" value="50"/> 431 Low MTU <input style="width: 30px;" type="text" value="500"/> 432 Low Reliability <input style="width: 30px;" type="text" value="1"/> 433 Low Load <input style="width: 30px;" type="text" value="1"/> 434 </div> <div> High Hop Count <input style="width: 30px;" type="text" value="7"/> 435 High Delay Per Hop <input style="width: 30px;" type="text" value="200"/> 436 High Bandwidth <input style="width: 30px;" type="text" value="2000"/> 437 High MTU <input style="width: 30px;" type="text" value="10000"/> 438 High Reliability <input style="width: 30px;" type="text" value="200"/> 439 High Load <input style="width: 30px;" type="text" value="200"/> 440 </div> </div>
Exterior EIGRP Settings	
441	Router ID <input style="width: 100px;" type="text" value="1.1.1.1"/> 442 Remote AS <input style="width: 50px;" type="text" value="101"/> 443 Admin Tag <input style="width: 50px;" type="text" value="0"/> 444 External Protocol <input style="width: 50px;" type="text" value="0"/> 445 External Protocol Metric <input style="width: 50px;" type="text" value="0"/> 446 Flag Value <input style="width: 50px;" type="text" value="0"/> 447

FIG. 6B

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450 →

IP-RIP Large Network Emulator

Task Settings

Task Name 402

Task Description 403

Device PageantB-console ▾ 404

401

Traffic Stream Settings

☐ Traffic Stream Status 406

☐ Flap Duration 407

Low Range ON 600 High Range ON 1200

Low Range OFF 300 High Range OFF 600

408

405

IP Settings

Source 0.0.0.0 463

451

IP-RIP Settings

Send Interval 30 454

Networks to Advertise 100 455

Network Start 0.0.0.0 456

Network Subnet Mask 0.0.0.0 457

Low Hop Count 2 458 High Hop Count 7 459

452

FIG. 6C

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460 →

IPX-RIP Large Network Emulator

Task Settings

Task Name

Task Description

Device 404

Traffic Stream Settings

☐ Traffic Stream Status ~ 406

☐ Flap Duration ~ 407

Low Range ON

Low Range OFF

High Range ON

High Range OFF

408

IPX Settings

Send Interval 462

Networks to Advertise 463

Encapsulation 464

Network 465

IPX-RIP Settings

Network Start 467

Low Hop Count 468 High Hop Count 469

Low Cost Per Hop 470 High Cost Per Hop 471

466

FIG. 6D

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OSPF Large Network Emulator

Task Settings

401 Task Name 402

Task Description 403

Device 404

Traffic Settings

☐ Traffic Stream Status 406

☐ Flap Duration 407

405

Low Range ON 408

High Range ON

Low Range OFF

High Range OFF

IP Settings

476 Source 477

OSPF Settings

478

Router ID 479

Area 480

Network 481

Stub Networks 482

Clusters 483

Rows Per Cluster 484

Columns Per Cluster 485

☐ Summary Links 486

Number of Links 487

Router Index 488

Network Start 489

Subnet Mask 490

☐ External Links 491

Number of Links 492

Router Index 493

Network Start 494

Subnet Mask 495

FIG. 6E

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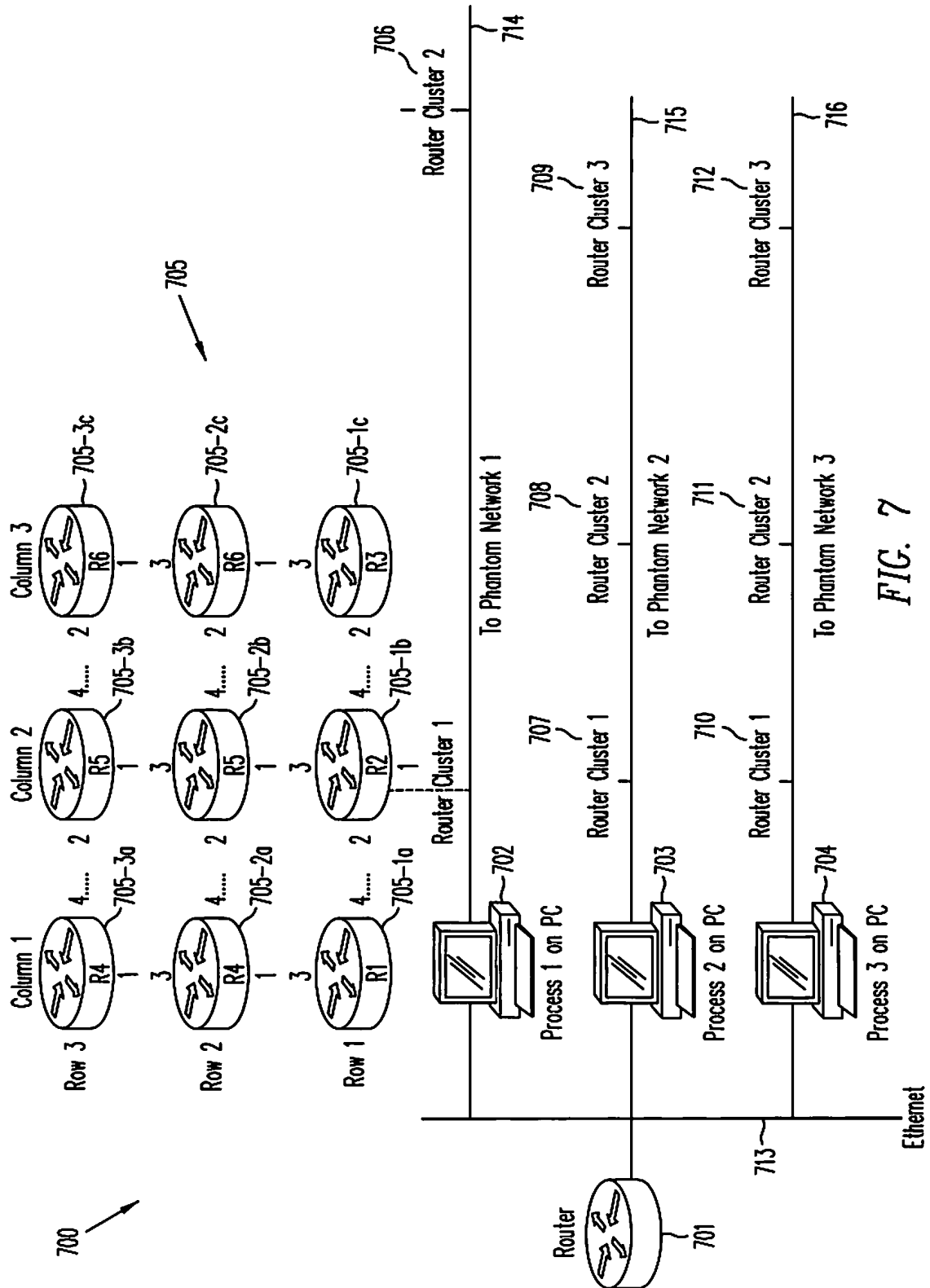


FIG. 7

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800

Task Settings

801

Task Name 803
Task Description 804
Device 805

Query Settings

802

Times to Query 806
Delay between Queries 807
☐ Save results to 808
Filename 809

FIG. 8A

Status Information

| | Neighbors 811
| | CIDR 812
| | Path 813
| | Peer Groups 814

| | Summary 820
| | Inconsistent AS 821
| | Dampened Paths 822
| | Flap Statistics 823

☐ Network 815
☐ Community Number 816
☐ Community List 817
☐ Filter List 818
☐ Regular Expression 819

824
 825
 826
 827
 828

FIG. 8B

810

Status Information

| | Neighbors 830
| | Traffic 831

| | Interface 832
| | Topology 833

FIG. 8C

829

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Status Information

Border Routers ~ 835	Database ~ 838
Interface ~ 836	Neighbors ~ 839
Summary Address ~ 837	Virtual Links ~ 840

834

☐ Request List ~ 850

Neighbor Router ID 851

Interface 852

☐ Retransmission List ~ 853

Neighbor Router ID 854

Interface 855

FIG. 8D

Traffic Information

Activity Level ~ 857	Counters ~ 859
Send Parameters ~ 858	Burst Parameters ~ 860

856

Status Information

Primary ~ 862	Secondary ~ 865
Active Protocols ~ 863	Interface Status ~ 866
IP ~ 864	MAC ~ 867

861

FIG. 8E

Traffic Information

☐ Activity Level ~ 869

868

FIG. 8F

Status Information

Capture Summary ~ 871	Interface Summary ~ 880
IP Address ~ 872	MAC Address ~ 881
Capture Counts ~ 873	Fast Counts ~ 882
Buffer Status ~ 874	Filter Status ~ 883

870

☐ Network ~ 875 884

☐ Community Number ~ 876 885

☐ Community List ~ 877 886

☐ Filter List ~ 878 887

☐ Regular Expression ~ 879 888

FIG. 8G

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900

Script

Task Settings

901

Task Name

Task Description

902

903

Script Editor

904

FIG. 9

910

☐ NVT - Profile

Profile Settings

911

Profile Name:

Profile Description:

Profile Info

Profile Contents

915

916

Add

Remove

☐ Profile
☒ Task

igmp

914

New

View

Save

Close

FIG. 10